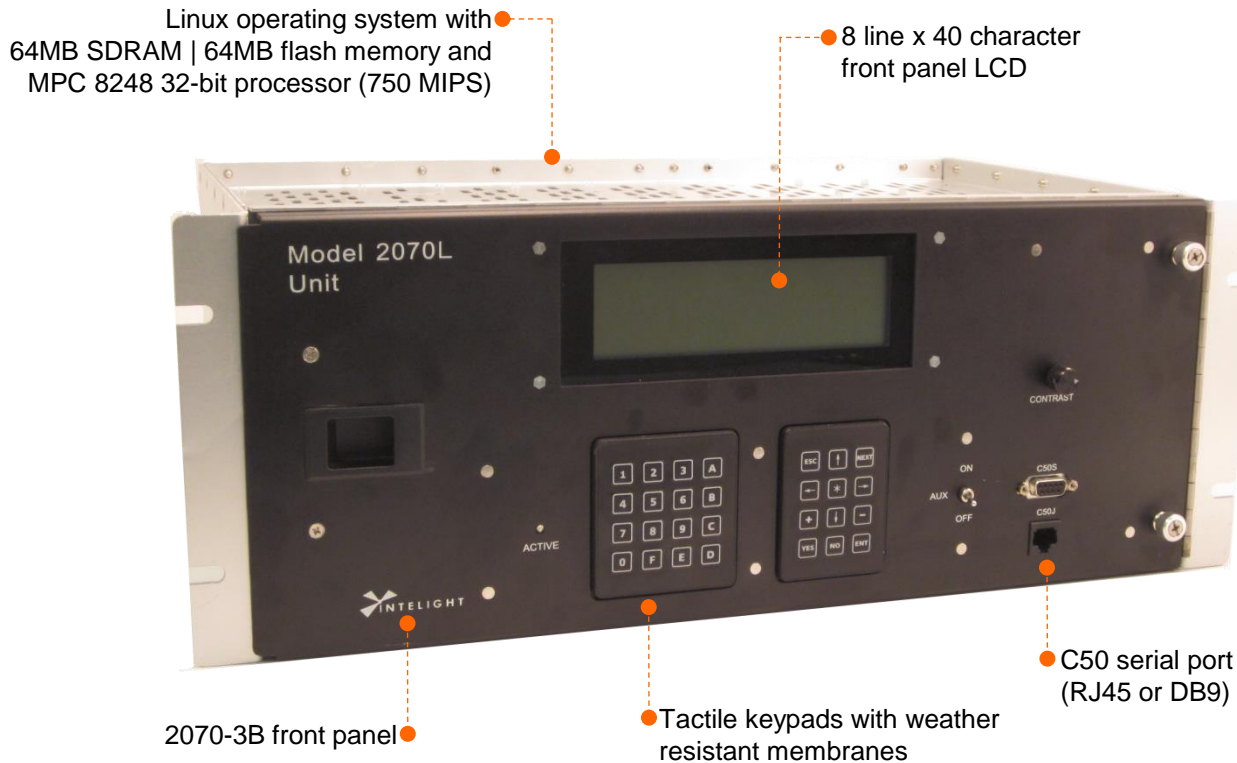


Overview

The 2070LC controller is part of Intelight's industry leading ATC compliant Linux hardware platform. The 2070LC chassis meets and exceeds the current 2009 TEES and includes an ATC compliant 2070-1C CPU module. The 2070LC can be configured for ITS, 2070, 170, 170E, and NEMA TS-1 or TS-2 cabinet I/O configurations.



Platform

- Compliant with latest ATC 5.2b, ATC 6.1 (latest draft) and Caltrans 2009 TEES (2070-1C)
- Open Linux O/S architecture for hosting various 2070 software applications
- Runtime libraries per ATC5.2b (ATC 6.x latest draft)
- Full support for all required ATC 6.x software drivers under the latest Linux kernel release v 3.0
- Environmentally hardened (operating ambient temperature from -40C to +80 C)



Hardware Configurations

- I/O module options
 - 2070-2A field I/O module for parallel interface to 170/170E/2070 cabinets
 - 2070-2N includes 2070-2N field I/O module for serial interface with ITS and NEMA TS-2 type 1 cabinets
 - 2070-N includes 2070-N1 extensions for TS-1 & TS-2 type 2 cabinets
 - 2070-2B includes 2070-2B field I/O module for interface to ITS cabinets and other RS-485 peripherals
- Power supply: heavy-duty model 2070-4A power supply
- Front panel options
 - 2070-3B standard 8 line x 40 character LCD display; RJ45 and DB9 serial connectors
 - 2070-3D (must be selected with LDX CPU module) 16 line by 40 character display; RJ45 Ethernet port; DB9 serial port; 3 port USB HUB

2070-1C CPU Card

- 2070 slot carrier module with front panel support for
 - 2070 standard 1X module
 - 3.3v DataKey socket
 - 4x 10/100 RJ45 Ethernet ports w/activity lights
 - TEES compliant D type 25pin C12S port
 - Fully compliant to latest Caltrans TEES 2070 specifications
 - 1 USB port
- Engine board CPU module
 - Fully 2070 hardware and software compliant with latest national ITE/NEMA/AASHTO 2070 standard
 - Motorola (Freescale) MPC8248, 32-bit, 400 MHz, PowerPC instruction
 - 64MB of DRAM
 - 64MB of flash memory
 - 7 serial ports (SP1-6, SP8)
 - RTC time reference with extended hold up

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